



Patent  
Attorney's Docket No. 0026-0029

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Re Patent Application of )

Sanjay Ghemawat et al. )

Group Art Unit: 2171 )

Application No.: 10/608,139 )

Examiner: Unassigned )

Filed: June 30, 2003 )

For: SYSTEMS AND METHODS FOR )  
REPLICATING DATA )

**INFORMATION DISCLOSURE STATEMENT**  
**TRANSMITTAL LETTER**

U.S. Patent and Trademark Office  
2011 South Clark Place  
Customer Window, Mail Stop  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington, Virginia 22202

Sir:


Enclosed is an Information Disclosure Statement and accompanying form PTO-1449 for  
the above-identified patent application.

- ☒ No additional fee for submission of the IDS is required.
- ☐ The fee of \$180.00 as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A certification under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ Charge \$ \_ to Deposit Account No. 50-1070 for the fee due.
- ☐ A check in the amount of \$ \_ is enclosed for the fee due.

The Commissioner is hereby authorized to charge any other appropriate fees that may be required by this paper that are not accounted for above, and to credit any overpayment, to Deposit Account No. 50-1070.

Respectfully submitted,

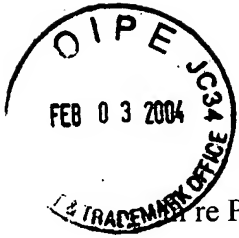
HARRITY & SNYDER, L.L.P.

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CUSTOMER NUMBER: 26615

Date: February 3, 2004



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

|                                |   |                      |
|--------------------------------|---|----------------------|
| Re Patent Application of       | ) |                      |
|                                | ) |                      |
| Sanjay Ghemawat et al.         | ) | Group Art Unit: 2171 |
|                                | ) |                      |
| Application No.: 10/608,139    | ) | Examiner: Unassigned |
|                                | ) |                      |
| Filed: June 30, 2003           | ) |                      |
|                                | ) |                      |
| Title: SYSTEMS AND METHODS FOR | ) |                      |
| REPLICATING DATA               | ) |                      |

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)**

U.S. Patent and Trademark Office  
2011 South Clark Place  
Customer Window, Mail Stop  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington, Virginia 22202

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicant(s) bring to the attention of the Examiner the documents listed on the attached PTO 1449. This Information Disclosure Statement is being filed before the mailing date of a first Office Action in the above-referenced application. As such, no certification or fee is required. Copies of the listed documents are attached.

Applicant(s) respectfully request(s) that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached form.

If any copending application(s) is/are cited on the attached PTO 1449, the Examiner's attention is directed to the foregoing application(s) in compliance with § 2001.06(b) of the Manual of Patent Examining Procedure. By identifying the copending application(s), the assignee and/or applicant of the application(s) do not waive confidentiality of the application(s). Accordingly, the U.S. Patent and Trademark Office is requested to maintain the confidentiality of the copending application(s) under 35 U.S.C. § 122.

This submission does not represent that a search has been made and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and Applicant(s) determine(s) that the cited document(s) do not constitute "prior art" under United States law, Applicant(s) reserve(s) the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

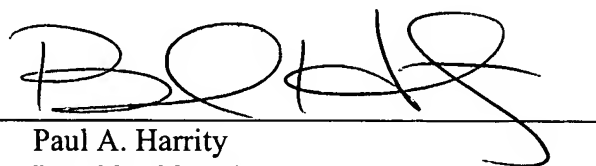
Applicant(s) further reserve(s) the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 50-1070.

Respectfully submitted,

HARRITY & SNYDER, L.L.P.

By:

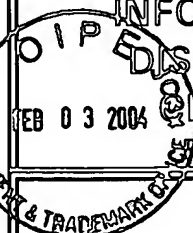
A handwritten signature in black ink, appearing to read "PAUL A. HARRITY", written over a horizontal line.

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CUSTOMER NUMBER: 26615

Date: February 3, 2004

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|--|--|------|-------------------------------------|--|-------------------------------|-------------|----|
|  | <b>INFORMATION DISCLOSURE CITATION</b><br>87 TO-1449   |      | <b>CUSTOMER NUMBER</b><br><br>26615 | ATTORNEY'S DKT No.<br>0026-0029        | APPLICATION No.<br>10/608,139 |             |    |
|  |  |      |                                     | APPLICANT(S)<br>Sanjay GHEMAWAT et al. |                               |             |    |
|  |  |      |                                     | FILING DATE<br>June 30, 2003           | GROUP<br>2171                 |             |    |
| <b>U.S. PATENT DOCUMENTS</b>   |  |      |                                     |  |                               |             |    |
| EXAMINER'S INITIALS  | PATENT NO.   | DATE | NAME                                | CLASS                                  | SUBCLASS                      | FILING DATE |    |
|  |  |      |                                     |  |                               |             |    |
| <b>FOREIGN PATENT DOCUMENTS</b>  |  |      |                                     |  |                               |             |    |
| EXAMINER'S INITIALS  | PATENT NO.   | DATE | COUNTRY                             | CLASS                                  | SUBCLASS                      | Translation |    |
|  |  |      |                                     |  |                               | Yes         | No |
|  |  |      |                                     |  |                               |             |    |
| <b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>    |  |      |                                     |  |                               |             |    |
|  | Thomas Anderson et al., "Serverless Network File Systems", Proceedings of the 15 <sup>th</sup> ACM Symposium on Operating System Principles, Copper Mountain Resort, Colorado, December 1995, pages 1-21.                                  |      |                                     |  |                               |             |    |
|  | Remzi H. Arpaci-Dusseau et al., "Cluster I/O with River: Making the Fast Case Common", Proceedings of the Sixth Workshop on Input/Output in Parallel and Distributed Systems (IOPADS '99), Atlanta, Georgia, May 1999, pages 1-13.         |      |                                     |  |                               |             |    |
|  | Garth A. Gibson et al., "A Cost-Effective, High Bandwidth Storage Architecture", Proceedings of the 8 <sup>th</sup> Architectural Support for Programming Languages and Operating Systems, San Jose, California, October 1998, pages 1-12. |      |                                     |  |                               |             |    |
|  | Barbara Liskov et al., "Replication in the Harp File System", 13 <sup>th</sup> Symposium on Operating System Principles, Pacific Grove, California, October 1991, pages 226-238.   |      |                                     |  |                               |             |    |
|  | David A. Patterson et al., "A Case for Redundant Arrays of Inexpensive Disks (RAID)", Proceedings of the 1988 ACM SIGMOD International Conference on Management of Data, Chicago, Illinois, September 1988, pages 109-116.                 |      |                                     |  |                               |             |    |
|  | Frank Schmuck et al., "GPFS: A Shared-Disk File System for Large Computing Clusters", Proceedings in the First USENIX Conference on File and Storage Technologies, Monterey, California, January 2002, pages 231-244.                      |      |                                     |  |                               |             |    |
|  | Chandramohan A. Thekkath et al., "Frangipani: A Scalable Distributed File System", Proceedings of the 16 <sup>th</sup> ACM Symposium on Operating System Principles, Saint-Malo, France, October 1997, pages 224-237.                      |      |                                     |  |                               |             |    |
|  | InterMezzo, <a href="http://www.inter-mezzo.org">http://www.inter-mezzo.org</a> , 2003.  |      |                                     |  |                               |             |    |
|  | Luis-Felipe Cabrera et al., "Swift: Using Distributed Disk Striping to Provide High I/O Data Rates", Computer Systems; 1991; pages 1-24.   |      |                                     |  |                               |             |    |
|  | John H. Howard et al., "Scale and Performance in a Distributed File System", ACM Transactions on Computer Systems, Vol. 6, No. 1, February 1988; pages 51-81.  |      |                                     |  |                               |             |    |
|  | Copy of U.S. Serial No: 10/608,140; filed June 30, 2003; Ghemawat et al.; entitled: "SYSTEMS AND METHODS FOR PERFORMING RECORD APPEND OPERATIONS"; 64 pages.   |      |                                     |  |                               |             |    |
| EXAMINER   |  |      |                                     | DATE CONSIDERED                        |                               |             |    |

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).